Damp2Dry® DEHUMIDIFIER by Perfect Aire®

Perfect aire®

Your Source for Home Comfort

200 PINT

COMMERCIAL DEHUMIDIFIER

USER MANUAL

FOR MODEL:

PACD200

Before using your commercial dehumidifier, please read this manual carefully and keep it for future reference, along with your receipt.

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GENERAL INFORMATION

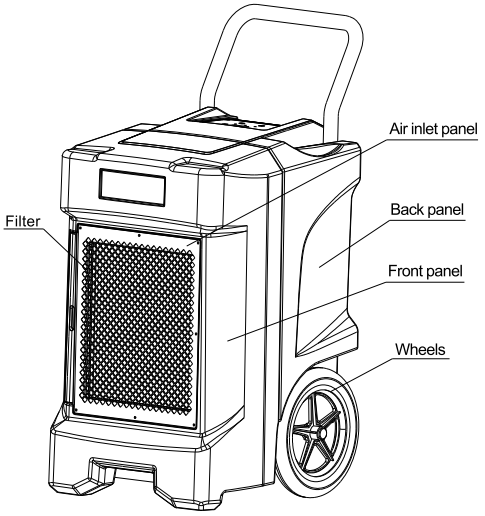
- Please DO NOT dispose of any packaging until you have checked that the appliance is operational.
- After removing the packaging, ensure the contents are intact and complete. In the unlikely event of missing parts, contact Consumer Services at 877-365-6274.
- DO NOT leave children unattended with any of the packaging as it is a potential source of danger.
- Disposal of all packaging must be carried out responsibly, safely, and in accordance with your local regulations.
- ALWAYS recycle the packaging material where possible.
- When using any electrically powered product, basic safety precautions should always be followed.
- Please read these instructions carefully and in full before using the product.

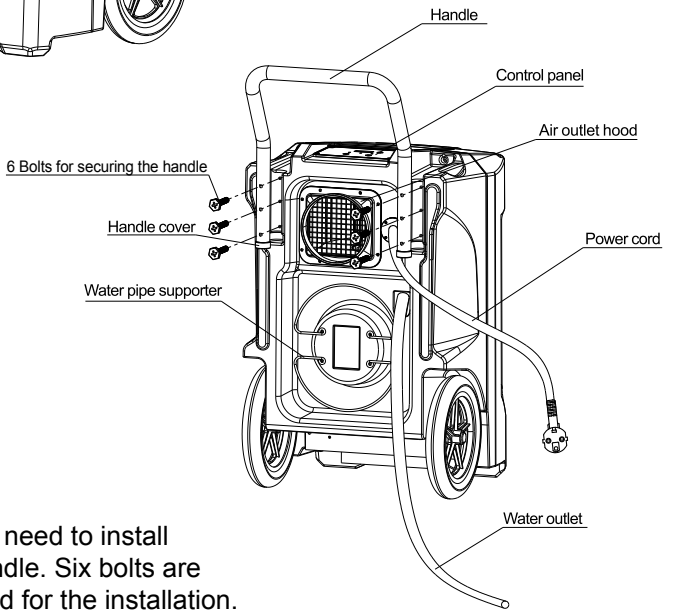
IMPORTANT SAFETY INSTRUCTIONS

WARNING - to reduce the risk of fire, electrical shock or injury to persons or property:

1. Always operate the product from a power source of the same voltage, frequency and rating as indicated on the product identification plate.
2. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards. Never cut off the third prong.
3. Your unit must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
4. Do not use extension cords or an adapter plug with this unit. If it is necessary to use an extension cord, use an approved heavy duty extension cord only (available at most local hardware stores).
5. Do not operate this product with a damaged power cord plug. If the supply cord is damaged it must be replaced by qualified repair person in order to avoid hazard.
6. To reduce the risk of electric shock, do not expose the unit or flexible cord to moisture of any kind.
7. Turn off and unplug from the power socket when not in use, before assembling or before cleaning.
8. The dehumidifier is not intended for use by young children without supervision. Young children should be supervised to ensure that they do not play with the dehumidifier.
9. Disabled persons and the elderly may require assistance with set up and usage.
10. Do not place objects on the product or allow objects to obstruct the inlet or outlet openings; do not operate in close proximity to walls, curtains, etc.
11. Use of attachments or accessories not recommended or sold by the product distributor may cause injury to persons or damage to property.
12. This product is intended for normal, light commercial use only.
13. Contact a qualified service technician for repair or maintenance of this unit. Do not attempt to dismantle the appliance.
14. Do not operate the appliance on a metal surface.
15. Do not use the appliance in artificially hot or humid conditions or allow it to be used in a hazardous environment.
16. Do not clean the appliance with organic solvent.
17. This instruction manual is an integral part of the appliance and should be stored for future reference. It must accompany the unit in event of ownership transfer or for reference by a service engineer.

STRUCTURE DIAGRAM





NOTE: You will need to install the handle. Six bolts are included for the installation.

WARNING

DO NOT OBSTRUCT THE AIR INLET OR OUTLET.

SETUP INSTRUCTIONS

IMPORTANT

Place dehumidifier in the upright position. When transporting a dehumidifier to site, allow the dehumidifier to stand upright for 30 minutes before switching ON. This is necessary to allow the refrigerant system to stabilize and avoid system damage.

SETTING UP THE DEHUMIDIFIER:

Operate the dehumidifier in an enclosed area as this creates a drying chamber. Close all doors, windows and areas that open to external areas to maximize the dehumidifier's water removal efficiency. Keep traffic through the drying chamber to a minimum. Place the dehumidifier in the center of the room, away from walls and furnishings. DO NOT allow the airflow to be obstructed.

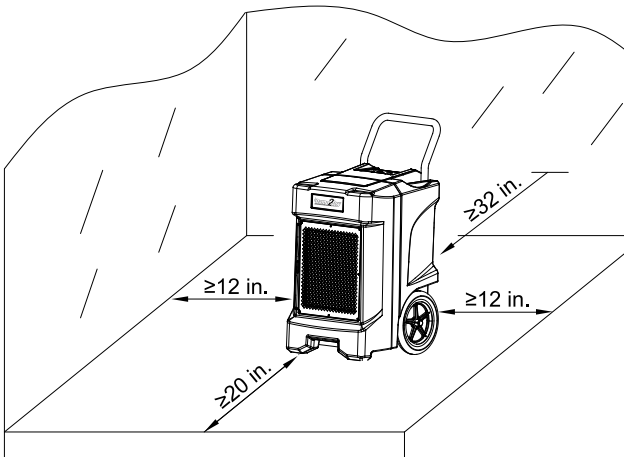


Illustration of correct positioning for best performance.

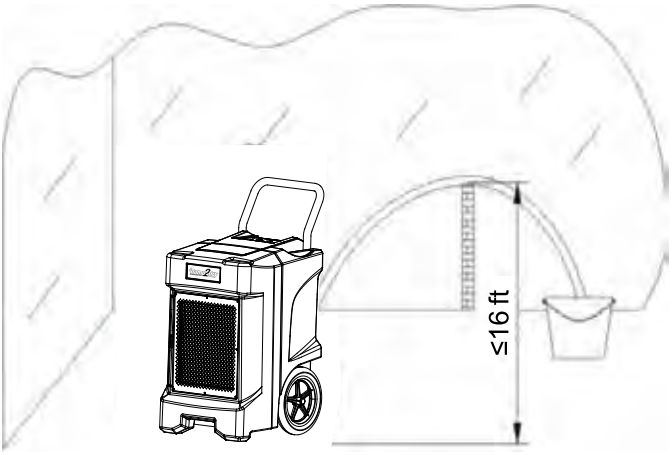
SETUP INSTRUCTIONS *(continued)*

DRAINAGE:

The dehumidifier pump connects to a plastic drainage hose. The hose is stored on the back of the appliance. Uncoil the entire hose, ensuring there are no kinks or restrictions, and place the unattached end into a drain or run outdoors.

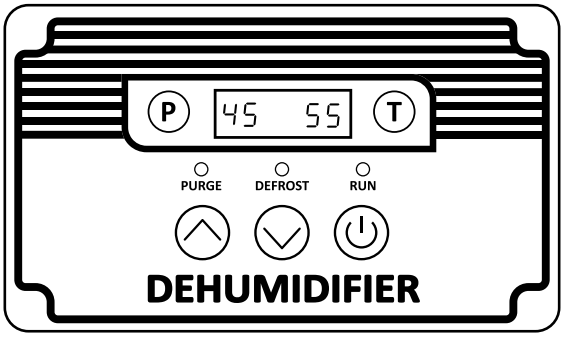
Ensure that draining running to the outdoors does not create a hazard that could cause someone to slip.

Water drains MUST be checked regularly when used.



NOTE: The drain hose for the ejector pump is 25 ft long and can drain up to 16 ft vertically. Attempting to push water vertically more than 16 ft vertically may cause water backup in the pump, which can result in leakage. See image above.

CONTROL PANEL



1. ON/OFF Key
2. UP and DOWN Keys
3. Purging Indicator
4. Defrosting Indicator
5. PURGE Key
6. HUMIDITY and TIME Display
7. TIME Key
8. Operating Indicator

ON/OFF: Press the key to turn the unit ON or OFF.

PURGE: Press the key to empty water from the pump reservoir. During normal operation the pump purges automatically when the reservoir is full. Use “PURGE” before moving the machine to avoid water spillage. The pump will close automatically after 40 seconds of continuous operation.

and : Press and keys to set or adjust humidity in the range of 26% and 90%. When the environmental humidity is below 26%, “CO” will be displayed.

Defrost Indicator: The unit begins to defrost when the defrost indicator illuminates; the unit has stopped defrosting when the light is no longer illuminated. When defrosting is complete, the unit begins to dehumidify again automatically.

CONTROL PANEL *(continued)*

(T) TIME: Press this to display working hours and total working time.

- After starting operation, the display will show the humidity setting (left) and current humidity (right). Humidity setting can be changed by pressing “Up” or “Down.”
- Time settings are based on minutes. For example, if the display shows “0000:50,” this means that the unit has worked for 50 minutes since powered on. If you want to view the total working time, press “T” again and the display will show this for 10 seconds, then return automatically to the original working hours. (Pressing “T” before the 10 seconds can also return the display to the original working hours.)
- If the unit is powered on but not in operation, the LED will not display anything. If “T” is pressed once, the working hours from the previous time the unit ran will display for 10 seconds. Within the 10 seconds, if “T” is pressed again, the total working time will display for 10 seconds. If there is no action within those 10 seconds, the LED will automatically shut off.
- If “T” is pressed when LED displays the total working time, the LED will shut off immediately. The current working time will be deleted by pressing and holding down “T” for 5 seconds; the time will be reset, but the deleted time will be added into the total working time.

NOTE: The total working time cannot be deleted. If the time is beyond the range of what the LED can show, it will be deleted and restart from zero.

NOTE: If a power outage occurs while the unit is powered on, the unit automatically resumes operation at the most recent settings when power is restored.

Error Messages (E1, E2, E3, E4): See the troubleshooting guide at the back of this manual for meanings/assistance.

OPERATING INSTRUCTIONS

General Use:

Press the ON/OFF key to turn the unit on. It will begin working automatically.

After use, press ON/OFF key to turn the unit off. Water pump will turn on automatically for 40 seconds to drain the remaining water in the unit, then turn off automatically.

ATTENTION:

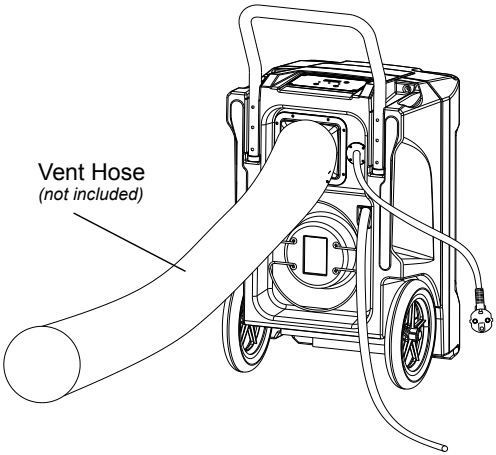
- DO NOT switch the power OFF by disconnecting at the main socket outlet.
- To avoid water spillage, DO NOT move the dehumidifier for at least 3 minutes after turning the power OFF.

Key Lock Function

If the keys of “T” and “P” are pressed for 2 seconds simultaneously, the defrost light will continue to illuminate at the speed of 50 Hz and all of the keys on the control panel will lock. The control panel can then be unlocked by pressing the “T” and “P” keys together again for 2 seconds.

Vent Hose Function

To speed up drying in very damp place, use a plastic pipe (vent hose) with a diameter larger than 6.7 inches. Attach the vent hose to the exhaust ring (see below) to expedite drying by directing the heat (exhaust) toward the wet area..



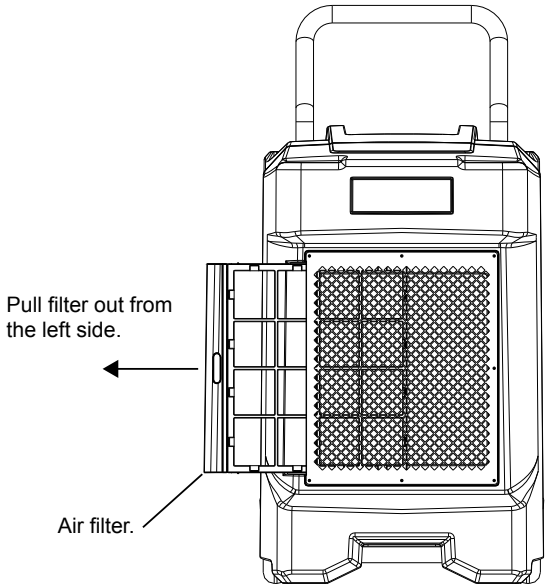
MAINTENANCE

To clean the air filter:

Ensure the dehumidifier is turned OFF and the plug is removed from the power outlet before performing maintenance.

The working performance of the dehumidifier will be greatly reduced if the filter becomes blocked.

1. Remove the filter as shown in the diagram below.
2. Vacuum any debris from the filter using the vacuum hose and nozzle attachment.
3. Using lukewarm water and a mild detergent, wash the filter and allow to dry completely.
4. Once completely dry, re-install the filter into the dehumidifier.

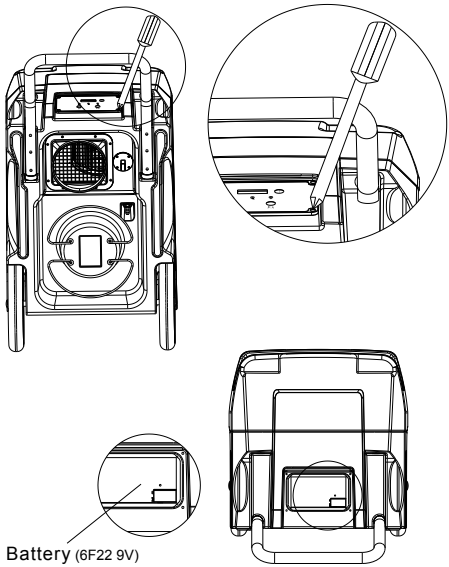


MAINTENANCE *(continued)*

Changing the battery:

The battery allows the user to check the total working time of the unit even when the unit is powered off. (Press the “T” button to check this.)

1. Remove the screws in the four corners of the control panel.
2. Once the screws are removed, carefully lift the control panel to access the PCB.
3. On the PCB is a 6F22 9V battery. Remove the battery and replace with a new battery.
4. Refit the control panel onto the PCB.
5. Replace the four screws.



Maintenance Notes:

- Check the electrical cord for damage before each use.
- Additionally, it is a good practice to check the drain hose on a monthly basis for any obstructions. Disconnect and clear any debris present, then reconnect the hose.
- When cleaning the surface of the unit, do not use any harsh or abrasive cleaners. Additionally, do not expose the power cord/plug, control panel, and/or motor to direct moisture.

TROUBLESHOOTING

Please check the following troubleshooting tips before calling for assistance.

PROBLEM	CAUSE	SOLUTION
Dehumidifier does not operate	No power to appliance.	Connect plug to power outlet.
	Power not turned on.	Switch power on.
	E4 error is displayed.	Check drainage flow.
Dehumidifier collects little/no water	Insufficient working time	Allow more working time
	Filter is blocked	Clean filter
	Low ambient temperature	Increase ambient temperature
	Condensate hose is blocked	Check hose for restrictions
	Difference between set humidity and current actual humidity is minimal	Adjust humidity setting to a lesser setting
	Humidity is too low for the unit to run.	No need to run the unit.
Dehumidifier is operating but room is not drying	Doors and windows are open	Seal room from external areas by closing doors, windows, etc.

NOTE: If you have tried the above troubleshooting and need additional assistance, contact Consumer Services at 877-365-6274.

ERROR CODES

WARNING: DO NOT attempt to rectify errors using unqualified personnel. To remedy the following errors, a qualified professional is required.

NOTE: With any error code, it is suggested to turn the unit off, wait five minutes, and then turn the unit on again. If the error code is still present, a qualified professional is required to fix the problem.

CODE	MEANING	DISPLAY READING	SOLUTION*
E1	Coil sensor error	Flashes every 30 seconds	Replace coil sensor. Call for replacement part.
E2	Humidity sensor error	Flashes every 30 seconds	Replace humidity sensor. Call for replacement part.
E3	Low or no refrigerant	Flashes continually	Turn the unit off, wait 5 minutes, and power the unit ON. If E3 shows again within 15 mins after turning the unit back on, then we can confirm the unit refrigerant leak requires professional repair. Call your local HVAC repair shop for assistance.
E4	Water pump fault or blockage	Flashes continually	Dehumidifier will turn OFF automatically. Check for blockages in the water hose. If there are no visible blockages, the pump or water pipe may need to be replaced.

NOTE: If the error occurs within one year from the date of purchase, contact Consumer Services at 877-365-6274 for warranty assistance prior to contacting a repair person. You must have the original purchase receipt for warranty assistance.

PURCHASE RECORD

Purchase Date: _____

Serial Number: _____

Distributor:_____ Tel. _____

MAINTENANCE RECORD

DATE	SERVICE PERFORMED	PERFORMED BY

Distributed by:

Perfect Aire, LLC
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